

**DUAL SPECIFICITY ANTIBODIES AND  
METHODS OF MAKING AND USING**

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**Abstract**

Antibodies having dual specificity for two different but structurally related  
10 antigens are provided. The antibodies can be, for example, entirely human antibodies,  
recombinant antibodies, or monoclonal antibodies. Preferred antibodies have dual  
specificity for IL-1 $\alpha$  and IL-1 $\beta$  and neutralize IL-1 $\alpha$  and IL-1 $\beta$  activity *in vitro* and *in*  
*vivo*. An antibody of the invention can be a full-length antibody or an antigen-binding  
portion thereof. Methods of making and methods of using the antibodies of the  
15 invention are also provided. The antibodies, or antibody portions, of the invention are  
useful for detecting two different but structurally related antigens (*e.g.*, IL-1 $\alpha$  and IL-1 $\beta$ )  
and for inhibiting the activity of the antigens, *e.g.*, in a human subject suffering from a  
disorder in which IL-1 $\alpha$  and/or IL-1 $\beta$  activity is detrimental.

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